

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. <b>50</b>	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office - ODIN - OP-MS Kennedy Space Center, FL 32899	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  OAO Corporation 7500 Greenway Center Drive Greenbelt MD 20770		(x)	9A. AMENDMENT OF SOLICITATION NO.  9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO.  <b>NAS5-98144/CC90303B</b>  10B. DATED (SEE ITEM 13)  December 1, 2001
CODE	FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.			
12. ACCOUNTING AND APPROPRIATION DATA (If required)			

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<b>X</b>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>NAS5-98144 Contract Clause C.7 Technology Refreshment Process and FAR Clause 52.212-4 Contract Terms and Conditions-Commercial Items, (c) Changes</b>
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

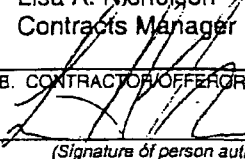
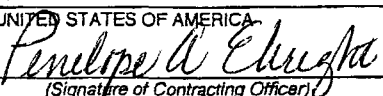
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**Stennis Space Center --- ODIN SERVICES**

Technology Infrastructure: SWRs DS72 A130 00; NJTC L2AM 00

Change in Delivery Order Price: \$40,858.58 (INCREASE)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Lisa A. Nicholson Contracts Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Penelope A. Ebright Contracting Officer	
15B. CONTRACTING OFFICER  (Signature of person authorized to sign)	15C. DATE SIGNED 08-23-02	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8/23/02

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PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

1. In accordance with Master Contract NAS5-98144, C.7, Technology Refreshment Process, the technology refreshment services referenced below is hereby incorporated into this Delivery Order at a fixed price of \$40,858.58

SWR #	Subject	Amount
DS72 A130 00	Cable Plant Expansion to T271 at E-complex for Boeing	\$ 740.35
NJTC L2AM 00	Upgrade Data Net between room 110 in B1000 and room 116 in B1201	\$40,118.23
	TOTAL	\$40,858.58

## 2. SWR DS72 A130 00

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling and equipment installation) and materials necessary to install (1) duplex singlemode fiber insert into existing Panduit outlet box in trailer T271; terminate (2) strands of existing singlemode fiber in T271 and (2) strands in the existing LIU panel mounted on Pedestal outside of trailer as identified in OAO proposal dated August 6, 2002.

- a. The contractor shall perform the following tasks:

- (1) Install (1) dual singlemode ST fiber insert in existing Panduit outlet box in T271.
- (2) Terminate (2) existing strands of singlemode fiber into ST connectors in T271 and in existing LIU located in pedestal outside of T271.
- (3) Test and label at both ends.

- b. The contractor shall provide the following material:

- (1) 4 each P3020A-Z-125 singlemode ST connector (157475)
- (2) 4 each cool cure consumables (142172)
- (3) 1 each dual singlemode fiber insert (162979)

- c. Schedule: The completion of this effort shall be (2) two weeks after the receipt of a signed Modification.

## 3. NJTC L2AM 00

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling and equipment installation) and materials necessary to install new UMC-1000 chassis in B1000 and B2201 for NAVOCEANO as identified in OAO proposal dated July 12, 2002.

- b. The contractor shall perform the following tasks:

- (1) Install (2) UMC-1000 chassis and associated T1AX and ISDN circuit cards in room 112 of B1000.

- (2) Install 25-pair copper cables from UMC-1000 chassis to 110 wiring blocks in room 112 of B1000.
- (3) Install (2) UMC-1000 chassis and associated T1AX and ISDN circuit cards in room 116 of B1201.
- (4) Install 25-pair copper cables from UMC-1000 chassis to 110 wiring blocks in room 116 of B1201.

c. The contractor shall provide the following material:

- (1) 200 each 110C-3 connectors for 110 wiring blocks (073040)
- (2) 16 each T1AX circuit cards (0110-0009)
- (3) 24 each 100 FT 25-pair copper cables male end (143746)
- (4) 4 each UMC-1000 chassis (0210-0033)
- (5) 3 each RPSU remote power supply (0101-0006)
- (6) 3 each LPSU local power supply (0101-0019)
- (7) 2 each F0-XCVR (0120-0040)
- (8) 2 each ELU (0101-005)
- (9) 2 each EBF3 3-meter fiber jumper (0410-0003)
- (10) 2 each EBC (0101-0003)
- (11) 2 each CPU-2 (0101-0027) e/w 7.1 software
- (12) 2 each 110AW2-300 wiring block (154071)
- (13) 2 each 10-meter duplex singlemode FCPC/ST fiber jumpers (FSMD-2266-10M)
- (14) 1 each R-ISDN (0110-0098)
- (15) 1 each L-ISDN (0110-0097)

d. Schedule: The completion of this effort shall be (6) six weeks after the receipt of a signed Modification.

4. Part II "Contract Administration Data", Item 4, is revised as indicated below to incorporate the increase of \$40,858.58 for these infrastructure upgrades:

**4. TOTAL DELIVERY ORDER VALUE (through Mod No. 50)**

Ordered Seats/Service Levels (Attachment A)	\$2,873,200.27
Catalog Actuals	\$190,834.70
Specialized Services	\$2,850.00
Infrastructure Upgrades	\$1,137,726.58
Sub-total	\$4,204,611.55
Less credits	(\$1,181.83)
Less retainage not earned	(\$33,473.26)
Sub-total	\$4,169,956.46
Seats/Service levels projected through 11/30/04	\$12,841,388.80
<b>Total Estimated Delivery Order Value:</b>	<b>\$17,011,345.26</b>

4. Part V "Technology Infusion (Infrastructure Upgrades)", Item 2 is modified to include the subject infrastructure upgrades. The signed date and completion date will be completed in a future infrastructure upgrade modification.

<b>Mod. No.</b>	<b>Description of Work</b>	<b>Date Signed</b>	<b>Completion Date</b>	<b>Modification Value</b>
<b>50</b>	DS72 A130 00 Cable Plant Expansion to T271 at E-complex for Boeing			\$ 740.35
<b>50</b>	NJTC L2AM 00 Upgrade Data Net between room 110 in B1000 and room 116 in B1201			\$40,118.23

5. Payment Schedule: Invoicing and Payment for this modification will be made in accordance with Master Contract NAS5-98144, FAR 52.212-4: Commercial Items (May 1997) (Modified).
6. Reporting requirements: The contractor shall provide monthly status reports to the SSC Alternate DOCOTR, with a copy to the DOCO. These reports shall include, as a minimum, installation progress, and potential problem areas.
7. In consideration of the modification agreed to herein as complete equitable adjustment for the changes set forth, the Contractor hereby releases the Government from any and all liability under this delivery order for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.
8. All other terms and conditions of this Delivery Order remain unchanged and in full force and effect.